

Applicants : JIN, et al.  
U.S. Serial No.: 09/886,555  
Filed : June 21, 2001  
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--13. (New) A stable aqueous/aqueous emulsion system without cross-link, which is prepared with hydrophilic polymers.--

--14. (New) A stable aqueous/aqueous emulsion system without cross-link, which is prepared with hydrophilic polymers by the method comprising steps of:

- a) selecting appropriate polymeric materials for dispersed phase and continuous phase which are immiscible, biocompatible and have biased partition to the active ingredients to be encapsulated;
- b) selecting appropriate surface modifiers which are charged, non-toxic, and possessing a moderate interfacial tension between the above two phases;
- c) developing phase diagram for the above; and
- d) dispersing the dispersed phase into the continuous phase under an appropriate shear stress.--

--15. (New) The aqueous/aqueous emulsion system of claim 13 with polymeric surface modifier.--

--16. (New) An encapsulation comprising the emulsion system of claim 13.--

--17. (New) The encapsulation of claim 16 which encapsulates protein, peptide, virus, bacterium, or cell.--

--18. (New) A liposome-based drug formulation which comprises the emulsion system of claim 13.--

--19. (New) Viral, bacterial or cell microencapsulation comprising the emulsion system of claim 13.--

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--20. (New) A nano-sized preparation comprising the emulsion system of claim 13.--

--21. (New) The nano-sized preparation of claim 20, wherein the preparation is nano-sized crystallization, nano-sized precipitation or other nano-sized assembly.--

--22. (New) The stable aqueous/aqueous emulsion system of claim 13, wherein the hydrophilic polymer is dextran, sodium alginate, or polyethylene glycol.--

#### REMARKS

Claims 1-12 are pending in this patent application. Claims 4, 5 and 12 are withdrawn from consideration by the Examiner to whom this application has been assigned. By the Amendment, Applicants have hereinabove cancelled claims 1-12 without prejudice to the applicants' rights to pursue the subject matters in a future application. Applicants add new claims 13-22.

New claims 13-22 are well supported by the specification and there are no issues of new matters. Accordingly, Applicants respectfully request the entry of this Amendment. Upon entry, claims 13-22 will be under examination.

#### **Claim Rejections - 35 USC § 112**

In the June 3, 2003 Office Action, the Examiner question the definition of the term "stable". In response, Applicants respectfully traverse this ground of rejection. Applicants maintain that the term "stable" is clear and defines the claimed invention.